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6P/2825#2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Karen Chess, et al

Attorney Docket No.: 831.003-1

Application No.: 10/026,332

Group No.: 2825

Filed: December 21, 2001

Examiner: To be assigned

For: **HARDWARE-ADAPTABLE DATA VISUALIZATION TOOL FOR USE IN
COMPLEX DATA ANALYSIS AND ENGINEERING DESIGN**

Assistant Commissioner for Patents
Washington, DC 20231

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INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR 1.56(a) exists.

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.

Jodie Droniak 3/22/02
Jodie Droniak Date

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Attorney Docket No. 831.003-1
Serial No. 10/026,332

A PTO-1449 with cited references is enclosed.

Of the art cited, applicants wish to draw attention in particular to an abstract entitled Parallel CFD-Simulations in a Collaborative Software Environment Using European ATM Networks, by D. Rantzan and P. Thomas, (1997), Institution for Electrical Engineers, Proceedings of the Parallel Computational Fluid Dynamics 1996 Conference, and also to U.S. Pat No.'s 5,742,293 to Koyamada et al, 5,877,777 to Colwell, 5,537,641 to da Vitoria Lovo et al, 5,914,715 to Sasaki, 5,742,293 to Koyamada et al, and 5,971,026 to Beran (lines 31-67 of col. 5).

Respectfully submitted,

Date: March 21, 2002

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

ATTY. DOCKET NO.

831-003-1

SERIAL NO.

10/026,332

APPLICANT

Chess et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3 9 0 0 5 5 4	8/19/1975	Lyon			
	4 2 0 8 3 8 6	6/17/1980	Arand et al.			
	4 7 7 7 0 2 4	10/11/1988	Epperly et al.			
	4 7 8 0 2 8 9	10/25/1988	Epperly et al.			
	4 9 5 4 0 7 6	9/4/1990	Fioravanti et al.			
	5 3 1 5 5 3 0	5/24/1994	Gerhardt et al.			
	5 3 3 6 0 8 1	8/9/1994	Saito et al.			
	5 4 0 2 3 6 6	3/28/1995	Kihara et al.			
	5 5 3 7 6 4 1	7/16/1996	da Vitoria Lobo et al.			
	5 5 7 2 4 3 9	11/5/1996	Nishida et al.			
	5 6 0 4 6 8 7	2/18/1997	Hwang et al.			

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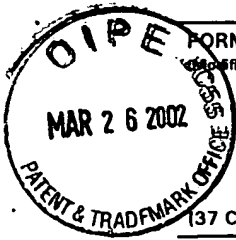
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	JOHNSON, Christopher R., et al. "Large-Scale Computational Science Applications Using The SCIRun Problem Solving Environment", June 2002, Conf. Title: 17th International Supercomputer Conference, Heidelberg, Germany, pp 1-19.
	RANTZAU, D., et al. "Parallel CFD-Simulations in a Collaborative Software Environment Using European ATM Networks", 1996 IEEE. Conf. Title: Proceedings of Parallel CFD '96 held May 1996 in Capri, Italy, pp.259-265.
	TSOU, Jin-Yeu, "Strategy On Applying Computational Fluid Dynamics For Building Performance Evaluation", March 2001, (Netherlands), Journal: Automation in Construction, Vol. 10, No. 3, pp.327-335.

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	5 6 0 4 8 9 1	2/18/1997	Burnett et al.			
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	5 6 4 0 3 3 5	6/17/1997	Molvig et al.			
	5 6 9 9 2 8 4	12/16/1997	Muramatsu			
	5 7 3 2 1 9 2	3/24/1998	Malin et al.			
	5 7 4 2 2 9 3	4/21/1998	Koyamada et al.			
	5 7 4 6 1 4 4	5/5/1998	Breen et al.			
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	J.	FENLON, A.J., et al., "An Integrated Visualization And Design Toolkit For Flexible Prosthetic Heart Valves", 2000 IEEE, Conf. Title: Proceedings Visualization 2000. VIS 2000, (USA), IEEE Cat.No. 00CH37145. pp.453-456, 588.
	J	STOUT, P. et al., "CFD-ACE+MEMS: A CAD Syst. For Simulation And Modeling Of MEMS", 1999 (USA), Journal: Proceedings of the SPIE-The Int.Soc.for Optical Eng./Conf.Title: Proc. SPIE-Int. Soc. Opt. Eng. Vol.3680, pt.1-2, pp.328-339.
	f	SCHULZ, M., et al., "Interactive Visualization Of Fluid Dynamics Simulations In Locally Refined Cartesian Grids", 1999. (USA), Conf. Title: Proceedings Visualization '99, IEEE Cat. No. 99CB37067, pp. 413-553.

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	5 8 7 7 7 7 7	3/2/1999	Colwell			
	5 8 9 4 8 0 6	4/20/1999	Smyrniotis et al.			
	5 9 1 0 9 0 2	6/8/1999	Molig et al.			
	5 9 1 4 7 1 5	6/22/1999	Sasaki			
	5 9 2 6 3 9 9	7/20/1999	Berkooz et al.			
	5 9 3 1 4 5 9	8/3/1999	Landgren			
	5 9 3 4 8 9 9	8/10/1999	Joshi et al.			
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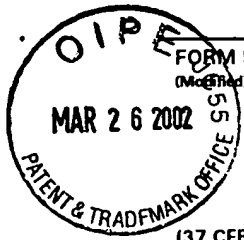
0	LOHNER, R., et al., "The Numerical Simulation of Strongly Unsteady Flow With Hundreds Of Moving Bodies", Sept. 1999, Journal: Int. Journal for Numer. Methods Fluids Conference, (UK), Vol. 31, No. 1, pp.113-120.
2	NGUYEN, L.T., et al., "A CAD-Based Flow Modeling Tool For Plastic IC Encapsulation", 1997 (USA), Conf. Title: Advances in Electronic Packaging 1997. Proceedings of InterPACK'97, Part Vol. 1, pp. 245-252 Vol.1.
7	ST. JOHN, P.M., et al., "Metrology And Simulation Of Chemical Transport In Microchannels", 1998 (USA), , Conf. Title: Technical Digest. Solid-State Sensor And Actuator Workshop, pp.106-111.

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	6 0 7 6 0 4 8	6/13/2000	Gunther et al.			
	6 0 8 9 7 4 4	7/18/2000	Chen et al.			
	6 0 9 0 1 4 8	7/18/2000	Weber et al.			
	6 0 9 3 2 1 1	7/25/2000	Hamielec et al.			
	6 0 9 6 0 8 8	8/1/2000	Yu et al.			
	6 1 7 1 1 0 0	1/9/2001	Joshi et al.			
	6 1 7 6 8 7 6	1/23/2001	Shipkowitz et al.			
	6 2 1 0 1 5 1	4/3/2001	Joshi et al.			
	5 6 0 8 8 6 1	3/4/1997	Mead et al.			

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	8	CHEN, C.L., et al., "Thermal Analysis Design Tool For Parallel Plate Heatsinks", 1998 (USA), Conf. Title: ITHERM'98. Sixth Intersociety Conf. on Thermal and Thermomechanical Phenomena in Electronic Systems, IEEE Cat.No.98CH36208, pp.371-377.
11		AGONAFER, D., et al., "Solid Model Based Preprocessor to CFD Code For Applications To Electronic Cooling Systems", 1997 (USA), Journal: Transactions of the ASME. Journal of Electronic Packaging, Vol. 119, No. 2, pp.138-143.
1		HERNANDEZ, S., et al., "Proceedings of 2nd Int. Conf. On Visualization Tools For Intelligent Design in Eng. and Architecture", 1995 Spain, Conf. Title: Proceedings of 2nd Int. Conf. on Vis. Tools for Intell. Des. in Eng. and Arch., 271 pp.

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